

IN THE CLAIMS

Please amend the claims as follows:

1.-15. (Canceled)

16. (Currently Amended) A process for producing a ceramic heater, comprising:
forming a resistance heating element on a surface of a ceramic substrate by printing
conductor containing paste on the surface of the ceramic substrate and firing;
dividing the resistance heating element into plural sections;
measuring a resistivity of each of said plural sections; and
trimming the resistance heating element after firing so as to adjust the resistivity of
each of said plural sections to a desired value.

17. (Previously Presented) The process for producing a ceramic heater according to
claim 16,

wherein the trimming step includes trimming a side face of the resistance heating
element.

18. (Previously Presented) The process for producing a ceramic heater according to
claim 16,

wherein the trimming step includes trimming a surface of the resistance heating
element.

19. (Canceled)

20. (Previously Presented) The process for producing a ceramic heater according to
claim 16,

wherein said ceramic substrate comprises a nitride ceramic or a carbide ceramic.

21. (Previously Presented) The process for producing a ceramic heater according to claim 16,

wherein said ceramic substrate has Ra of 10 μm or less according to JIS B0601.

22. (Previously Presented) The process for producing a ceramic heater according to claim 16,

wherein the resistance heating element has a thickness of 1 to 30 μm .

23. (Previously Presented) The process for producing a ceramic heater according to claim 16,

wherein the resistance heating element comprises at least two circuits.

24. (Previously Presented) The process for producing a ceramic heater according to claim 16,

wherein said ceramic substrate has a disc shape and has a diameter of 190 mm or more.

25. (Previously Presented) The process for producing a ceramic heater according to claim 16,

wherein said ceramic substrate has a thickness of 1.5 to 5 mm.

26. (Previously Presented) The process for producing a ceramic heater according to claim 16, wherein the trimming includes applying a laser light to the resistance heating element.

27. (Previously Presented) The process for producing a ceramic heater according to claim 16, wherein the trimming includes grinding a surface of the resistance heating element.

28. (Previously Presented) The process for producing a ceramic heater according to

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claim 16, wherein the resistance heating element is configured to provide sufficient heat for at least one of producing and examining a semiconductor device.